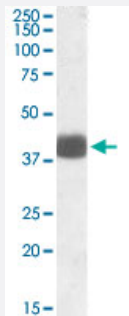


FBXO32 polyclonal antibody

Catalog # PAB15627 Size 100 ug

Applications



Western Blot (Tissue lysate)

FBXO32 polyclonal antibody (Cat # PAB15627) (0.1 ug/mL) staining of human skeletal muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FBXO32.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human FBXO32.
Sequence	C-NSKTKTQYFHQEK
Host	Goat
Theoretical MW (kDa)	41.6, 24.7
Reactivity	Human, Mouse
Specificity	Approximately 40 KDa band observed in human and mouse skeletal muscle lysates (calculated MW of 41.6 KDa according to human NP_478136.1 and of 41.5 KDa according to mouse NP_080622.1)
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:32000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — FBXO32

Entrez GeneID	114907
Protein Accession#	NP_478136.1
Gene Name	FBXO32
Gene Alias	FLJ32424, Fbx32, MAFbx, MGC33610
Gene Description	F-box protein 32
Omim ID	606604
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and contains an F-box domain. This protein is highly expressed during muscle atrophy, whereas mice deficient in this gene were found to be resistant to atrophy. This protein is thus a potential drug target for the treatment of muscle atrophy. Alternative splicing of this gene results in two transcript variants encoding two isoforms of different sizes. [provided by RefSeq]
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Other Designations

F-box only protein 32|atrogin 1|muscle atrophy F-box protein

Publication Reference

- [Muscle-specific MicroRNA1 \(miR1\) Targets Heat Shock Protein 70 \(HSP70\) during Dexamethasone-mediated Atrophy.](#)

Kukreti H, Amuthavalli K, Harikumar A, Sathiyamoorthy S, Feng PZ, Anantharaj R, Tan SL, Lokireddy S, Bonala S, Sriram S, McFarlane C, Kambadur R, Sharma M.

The Journal of Biological Chemistry 2013 Mar; 288(9):6663.

Application: WB, Mouse, C2C12 cells

- [The muscle-specific ubiquitin ligase atrogin-1/MAFbx mediates statin-induced muscle toxicity.](#)

Hanai J, Cao P, Tanksale P, Imamura S, Koshimizu E, Zhao J, Kishi S, Yamashita M, Phillips PS, Sukhatme VP, Lecker SH.

The Journal of Clinical Investigation 2007 Dec; 117(12):3940.

Application: WB-Ce, WB-Ti, Fish, Mouse, C2C12 cells, Fish embryos